USDA United States Department of Agriculture | Forest Service | Northeastern Area State and Private Forestry | 180 Canfield Street Morgantown, WV 26505-3101

**File Code:** 3400
**Date:** February 19, 2009

Mr. Wayne Budrus
U.S. Army Corps of Engineers
Huntington District
502 8th Street
Huntington, WV 25701

Dear Mr. Budrus:

Summaries of the 1983-2008 gypsy moth program conducted at five U.S. Army Corps of Engineers sites within the Huntington District are enclosed for your information (Table 1). Also enclosed are maps showing the trap locations (Figures 1a-1e). The purpose of the trapping program is to monitor low-level gypsy moth populations and help determine when more intensive survey methods should be employed.

In 2008 trap catches at Deer Creek Lake and Paint Creek Lake were one and zero male moths, respectively. The trap catch averages at Alum Creek and Dillon Lake decreased from eight to six male moths per trap. Delaware Lake trap averages have increased to six male moths per trap.

Based on the results of the trapping program at each Corps site, gypsy moth populations will not have an impact on the forest resources at these sites in the immediate future.

Figures 2a-2e show the 2008 gypsy moth Slow-the-Spread (STS) trapping results in Ohio. The inserts on each figure show close-ups of the STS results in relation to the Corps site properties. For more information regarding the STS program, visit http://www.gmsts.org.

It is important for Corps to look for other gypsy moth life stages while performing their normal duties. Visit our GM Digest web site located at http://www.na.fs.fed.us/fhp/gm/index.shtm for publications that are helpful in identifying the different gypsy moth life stages.

We would like to continue the trapping program at the same intensity at all five Corps sites in 2009. Thank you for your continued cooperation and if you have any questions regarding these results, please call me at (304) 285-1556.

Sincerely,

KAREN FELTON
Biologist
Forest Health Protection

Enclosures

cc: Joe Williams, Park Ranger, Alum Creek

Susan Maynaird, Deer Creek Lake
Ben O'Dell, Delaware Lake
Bob Cifranic, Dillon Lake
Dave Adkins, OHDA
Dan Balser, OHDA
Patricia Hixon, Paint Creek Lake

KDF/blm

Table 1.—Summary of the 1983-2008 gypsy moth trapping results, Huntington District, U.S. Army Corps of Engineers.

Alum Creek (Delaware County, OH)

| Year | Number of Traps | Total Moths Caught | Positive Catch Trap Number |
|---|---|---|---|
| 1983 | 15 | 0 | -- |
| 1984 | 15 | 0 | -- |
| 1985 | 18 | 0 | 9 |
| 1986 | 15 | 1 | -- |
| 1987 | 15 | 0 | -- |
| 1988 | 15 | 0 | -- |
| 1989 | 15 | 0 | -- |
| 1990 | 15 | 4 | 2, 3, 11, 15 |
| 1991 | 15 | 2 | 7, 10 |
| 1992 | 15 | 7 | 1, 2, 4, 6, 7, 11 |
| 1993 | 15 | 12 | All except 1, 2, 7, 9, 12, 13 |
| 1994 | 15 | 3 | 3, 12 |
| 1995 | 13 | 3 | 1, 5,7 |
| 1996 | 15 | 1 | 14 |
| 1997 | 15 | 14 | 1-4, 8-13 |
| 1998 | 15 | 10 | 2, 3, 8-11, 15 |
| 1999 | 15 | 36 | 1, 2, 4, 7, 9-11, 13, 14 |
| 2000 | 15 | 21 | 12,6-10, 12, 13 |
| 2001 | 15 | 78 | -- |
| 2002 | 15 | -- | No Data |
| 2003 | 15 | 44 | 1-13 |
| 2004 | 15 | 18 | All except 1-4, 15 |
| 2005 | 15 | 56 | All except 5, 13, 15 |
| 2006 | 15 | 112 | All except 10 |
| 2007 | 15 | 114 | All |
| 2008 | 15 | 88 | All |

Deer Creek Lake (Fayette and Pickaway Counties, OH)

| Year | Number of Traps | Total Moths Caught | Positive Catch Trap Number |
|---|---|---|---|
| 1983 | 15 | 0 | - - |
| 1984 | 15 | 0 | - - |
| 1985 | 13 | 0 | - - |
| 1986 | 15 | 0 | - - |
| 1987 | 15 | 0 | - - |
| 1988 | 15 | 0 | - - |
| 1989 | 15 | 1 | 15 |
| 1990 | 15 | 0 | - - |
| 1991 | 15 | 0 | - - |
| 1992 | 15 | 3 | 6, 7, 13 |
| 1993 | 15 | 3 | 1, 6 |
| 1994 | 15 | 0 | - - |
| 1995 | 18 | 0 | - - |
| 1996 | 18 | 1 | 10 |
| 1997 | 20 | 6 | 1, 2, 10, 16 |
| 1998 | 15 | 1 | 13 |
| 1999 | 14 | 1 | 1 |
| 2000 | 15 | 4 | 12 |
| 2001 | 15 | 3 | - - |
| 2002 | 15 | 0 | -- |
| 2003 | 15 | 3 | 5,9 |
| 2004 | 20 | 2 | 11, 13 |
| 2005 | 20 | 4 | 6, 8, 15 |
| 2006 | 20 | 3 | 12, 14, 20 |
| 2007 | 20 | 1 | 13 |
| 2008 | 20 | 1 | 20 |

Delaware Lake (Delaware County, OH)

| Year | Number of Traps | Total Moths Caught | Positive Catch Trap Number |
|---|---|---|---|
| 1983 | 15 | 0 | - - |
| 1984 | 15 | 0 | - - |
| 1985 | 18 | 0 | - - |
| 1986 | 15 | 0 | - - |
| 1987 | 15 | 0 | - - |
| 1988 | 12 | 0 | - - |
| 1989 | 12 | 0 | - - |
| 1990 | 12 | 0 | - - |
| 1991 | 10 | 0 | - - |
| 1992 | 10 | 1 | 9 |
| 1993 | | | No traps deployed |
| 1994 | 12 | 0 | - - |
| 1995 | 15 | 3 | 4, 12, 13 |
| 1996 | 15 | 1 | 14 |
| 1997 | 15 | 45 | 2-5, 7-13, 15 |
| 1998 | 15 | 3 | 2, 7, 13 |
| 1999 | 15 | 74 | All |
| 2000 | 15 | 9 | 1, 2, 6, 9, 11, 12,13 |
| 2001 | 15 | 68 | - - |
| 2002 | 14 | 37 | All except # 2, 3 |
| 2003 | 15 | 18 | 1, 2, 5, 8, 12, 13 |
| 2004 | 15 | 11 | 1, 12, 14, 15 |
| 2005 | 15 | 22 | All except 5, 6, 10 |
| 2006 | 15 | 55 | All |
| 2007 | 15 | 77 | All |
| 2008 | 15 | 90 | All |

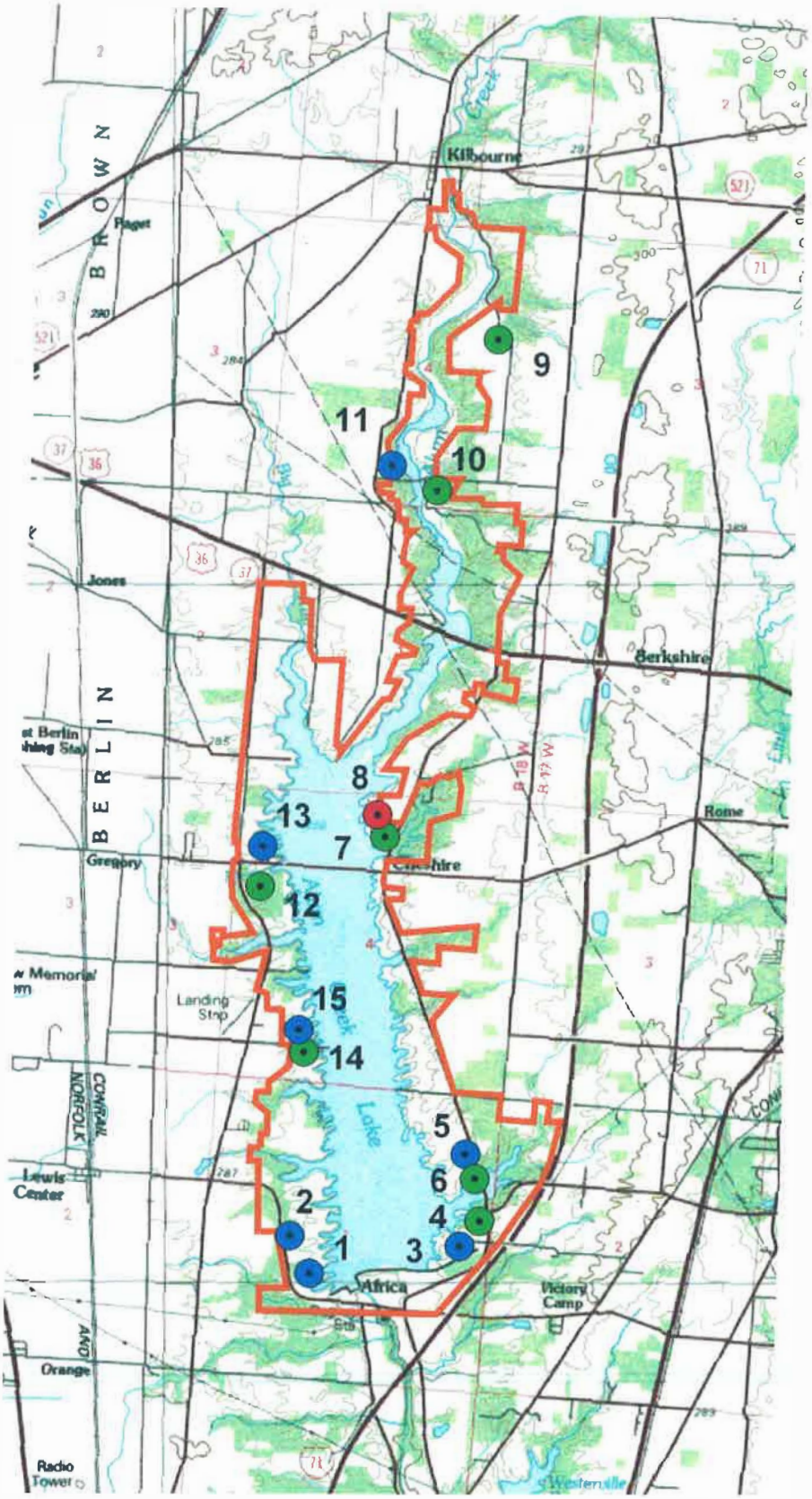
Dillon Lake (Muskingum County, OH)

| Year | Number of Traps | Total Moths Caught | Positive Catch Trap Number |
|---|---|---|---|
| 1983 | 15 | 0 | - - |
| 1984 | 15 | 0 | - - |
| 1985 | 15 | 0 | - - |
| 1986 | 15 | 4 | 4, 11 |
| 1987 | 15 | 0 | - - |
| 1988 | 16 | 0 | - - |
| 1989 | 16 | 9 | 2, 6, 8, 11-13,15 |
| 1990 | 16 | 0 | - - |
| 1991 | 16 | 11 | 4-6, 8, 9, 11, 13, 14, 16 |
| 1992 | 16 | 31 | All except 4, 7, 8, 16 |
| 1993 | 3 | 6 | 17, 18 |
| 1994 | 16 | 15 | 2, 5, 6, 12, 13, 14, 15 |
| 1995 | - - | - - | Traps not deployed |
| 1996 | 14 | 21 | 1, 3, 7, 8, 11-13 |
| 1997 | 15 | 27 | 1, 2, 5, 8, 10-12, 15 |
| 1998 | 14 | 141 | All except 11 |
| 1999 | 15 | 224 | All |
| 2000 | 15 | 241 | All |
| 2001 | 15 | 208 | - - |
| 2002 | 11 | 128 | All |
| 2003 | -- | -- | Traps not deployed |
| 2004 | 14 | 95 | All except 7 |
| 2005 | 14 | 83 | All except 3, 13 |
| 2006 | 13 | 83 | All |
| 2007 | 14 | 106 | All |
| 2008 | 14 | 78 | All |

Paint Creek Lake (Highland and Ross Counties, OH)

| Year | Number of Traps | Total Moths Caught | Positive Catch Trap Number |
|---|---|---|---|
| 1983 | 15 | 0 | -- |
| 1984 | 10 | 0 | -- |
| 1985 | 10 | 0 | -- |
| 1986 | 12 | 3 | Trap # 2 |
| 1987 | 12 | 0 | -- |
| 1988 | 10 | 0 | -- |
| 1989 | 10 | 6 | Trap # 5,7,8, |
| 1990 | | | No Data |
| 1991 | 10 | 0 | -- |
| 1992 | 12 | 0 | -- |
| 1993 | 14 | 0 | -- |
| 1994 | 13 | 6 | Traps # 3, 4, 12, 13 |
| 1995 | 14 | 15 | Traps # 3,4,10-13 |
| 1996 | 13 | 10 | Traps # 3,4,8,9,11,13 |
| 1997 | 14 | 21 | Trap # 2, 7-13 |
| 1998 | | | No Data |
| 1999 | 15 | 8 | Trap # 3-5. 8, 1, 13 |
| 2000 | 13 | 8 | Trap # 2, 3, 7, 8,10-12 |
| 2001 | 13 | 5 | Trap # 1, 3, 7-10, 13 |
| 2002 | 13 | 1 | Trap # 4 |
| 2003 | 13 | 1 | Trap # 4 |
| 2004 | 13 | 2 | Trap # 9, 11 |
| 2005 | 13 | 1 | Trap # 1 |
| 2006 | 0 | 0 | No Data |
| 2007 | 0 | 0 | No Data |
| 2008 | 0 | 0 | -- |

# Figure 1a.--2008 gypsy moth trap locations at Alum Creek Lake.




**Legend**

**Trap locations**

- 1 - 5 moths per trap
- 6 - 10 moths per trap
- 11 - 15 moths per trap
- Approximate Project boundary

0 0.5 1 2 Miles

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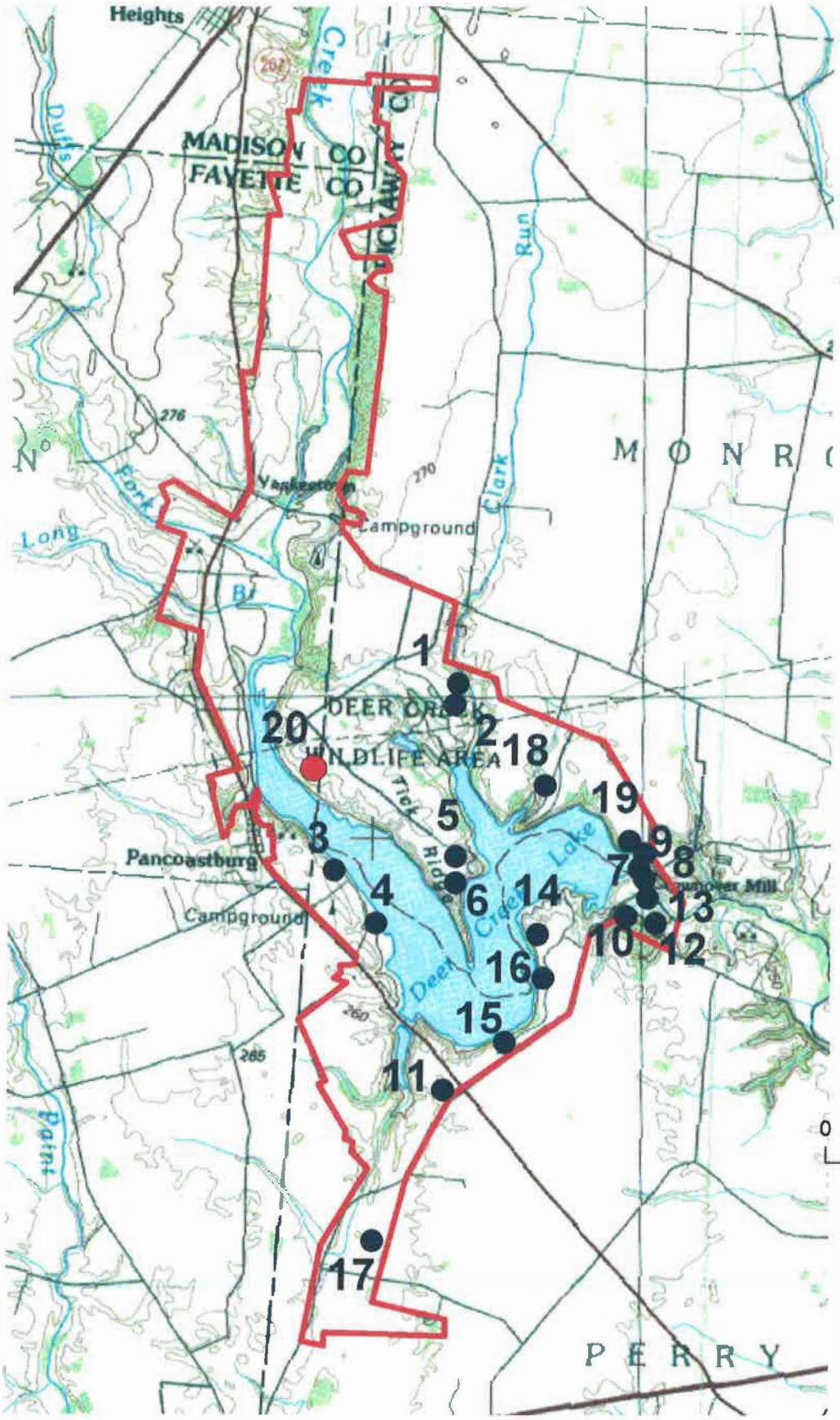
2/09 KDH

# Figure 1b.--2008 gypsy moth trap locations at Deer Creek Lake.




**Legend**

**Trap locations**

- 0 moths per trap
- 1 moth per trap
- Approximate Project boundary

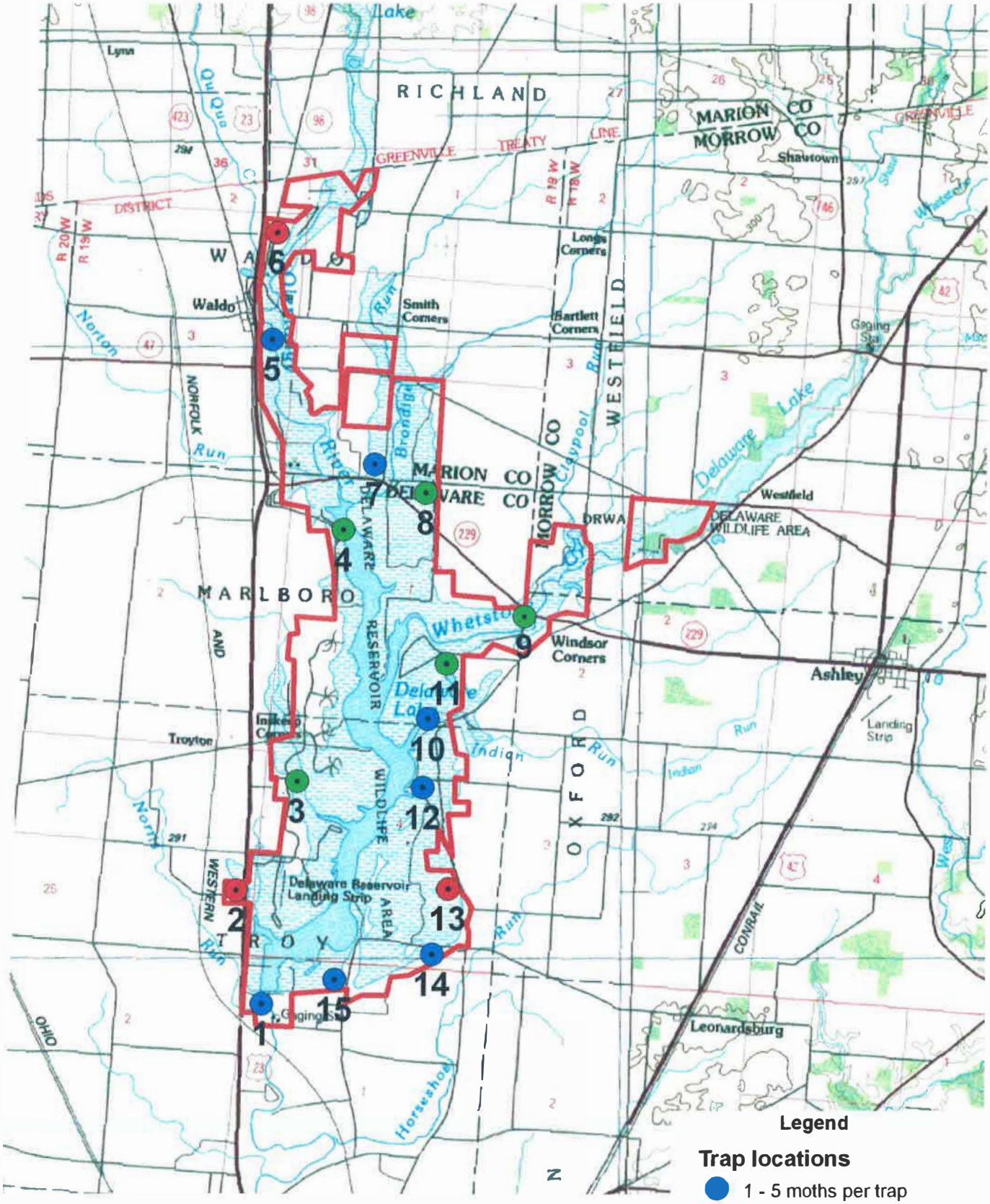
N
W E
S

0 0.5 1 2 Miles

USDA Forest Service, State & Private Forestry, Morgantown, WV

2/09 KDF

# Figure 1c.--2008 gypsy moth trap locations at Delaware Lake.




**Legend**

**Trap locations**

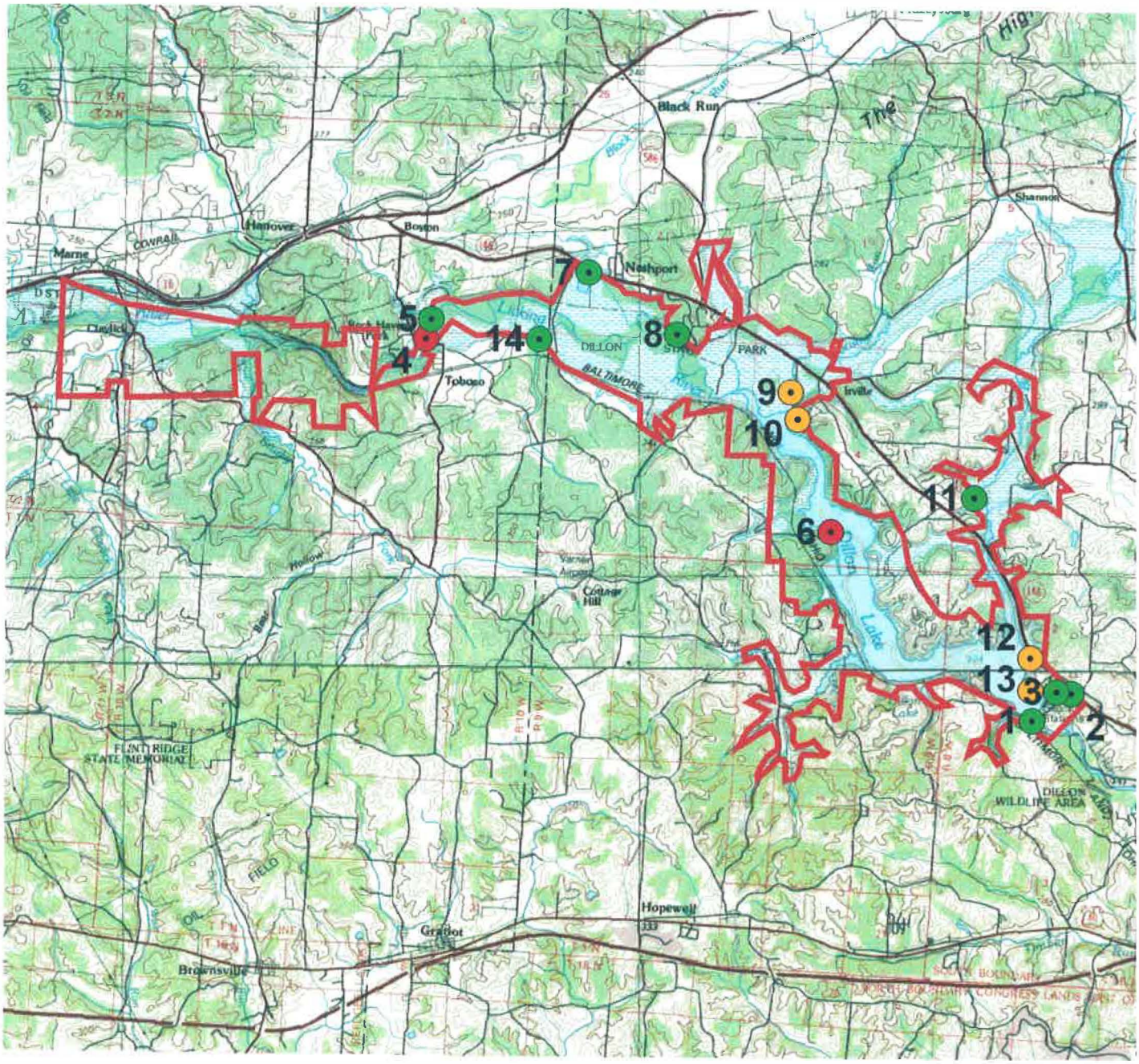
- 1 - 5 moths per trap
- 6 - 8 moths per trap
- 9 - 11 moths per trap
- Approximate Project boundary

0 0.5 1 2 Miles

USDA Forest Service, State & Private Forestry, Morgantown, WV

2/09 KDR

# Figure 1d.--2008 gypsy moth trap locations at Dillion Lake.




**Legend**

**Trap locations**

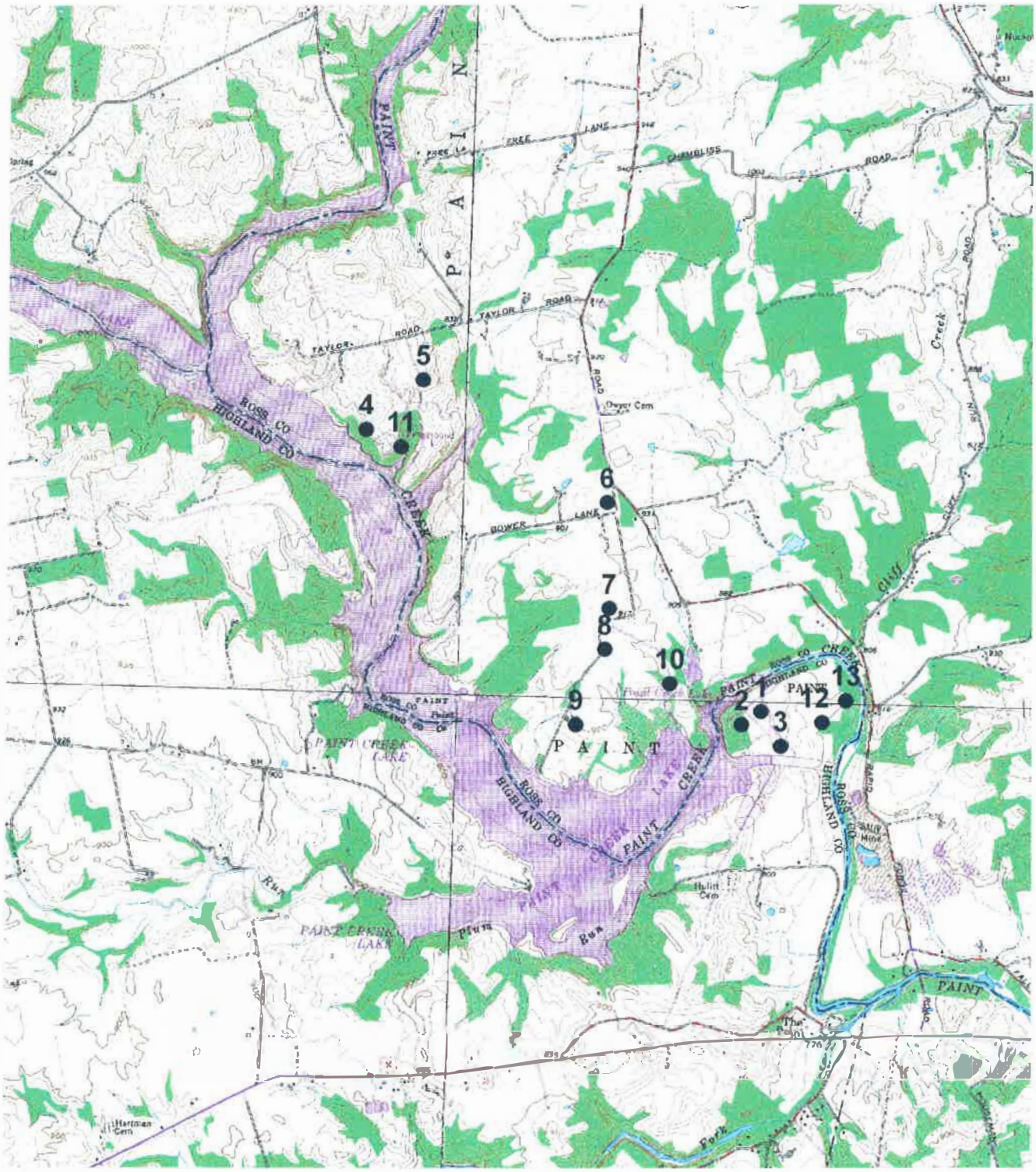
- 1 - 5 moths per trap
- 6 - 10 moths per trap
- 11 - 12 moths per trap
- Approximate Corps boundary

0 0.5 1 2 Miles

USDA Forest Service, State & Private Forestry, Morgantown, WV

2/09 KDF

# Figure 1e.--2008 gypsy moth trap locations at Paint Creek Lake.




0 0.375 0.75 1.5 Miles

N W E S

## Legend

**Trap locations**

● 0 moths per trap

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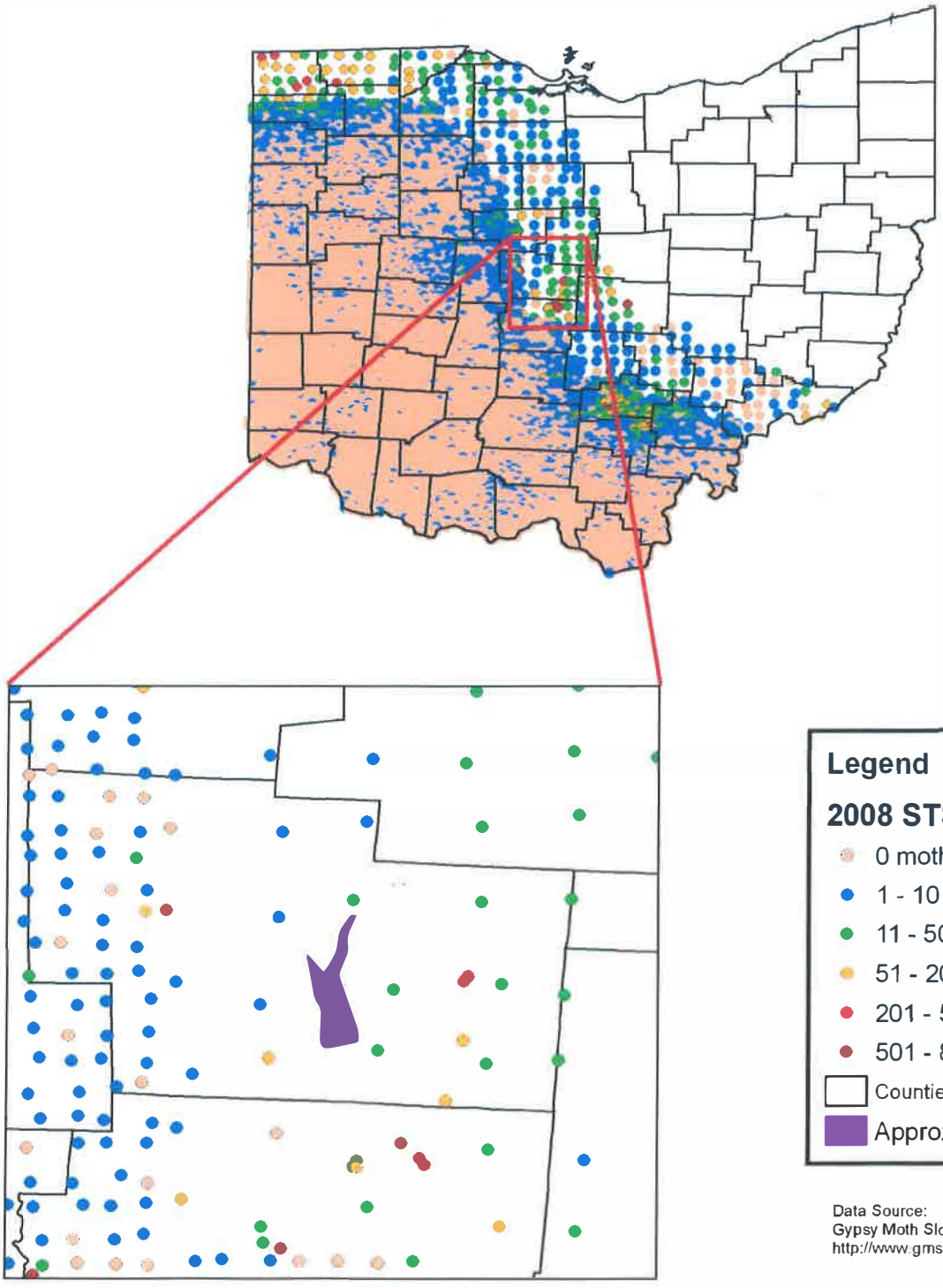
2/09 KDF

# Figure 2a.--2008 Slow-the-Spread trapping results in Ohio and in the proximity of Alum Creek Lake.



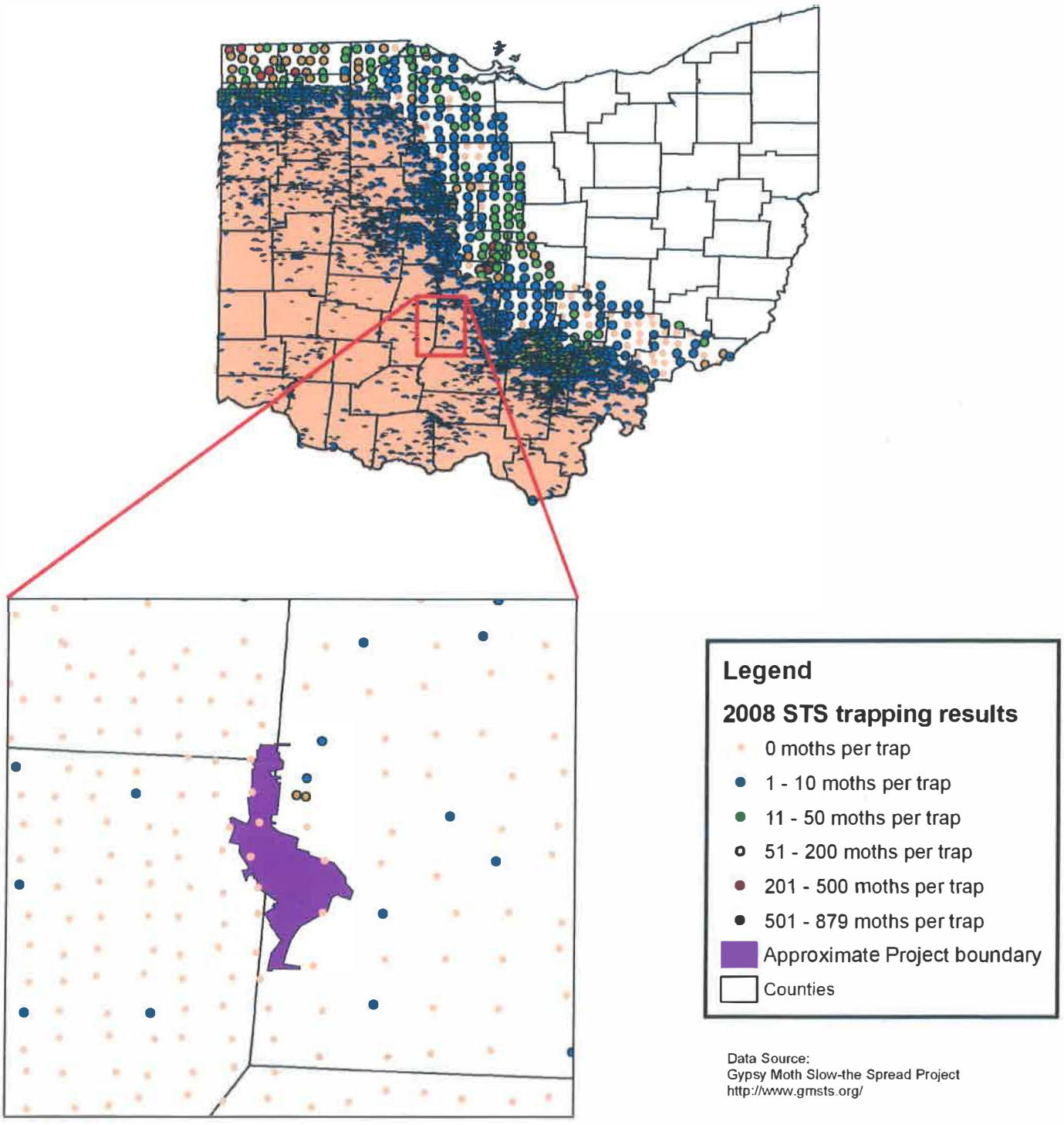
**Legend**

**2008 STS trapping results**

- 0 moths per trap
- 1 - 10 moths per trap
- 11 - 50 moths per trap
- 51 - 200 moths per trap
- 201 - 500 moths per trap
- 501 - 879 moths per trap
- Counties
- Approximate Corp property

Data Source:
Gypsy Moth Slow-the Spread Project
http://www.gmsts.org/

# Figure 2b.--2008 Slow-the-Spread trapping results in Ohio and in the proximity of Deer Creek Lake.


Legend
2008 STS trapping results
0 moths per trap
1 - 10 moths per trap
11 - 50 moths per trap
51 - 200 moths per trap
201 - 500 moths per trap
501 - 879 moths per trap
Approximate Project boundary
Counties

Data Source:
Gypsy Moth Slow-the Spread Project
http://www.gmsts.org/

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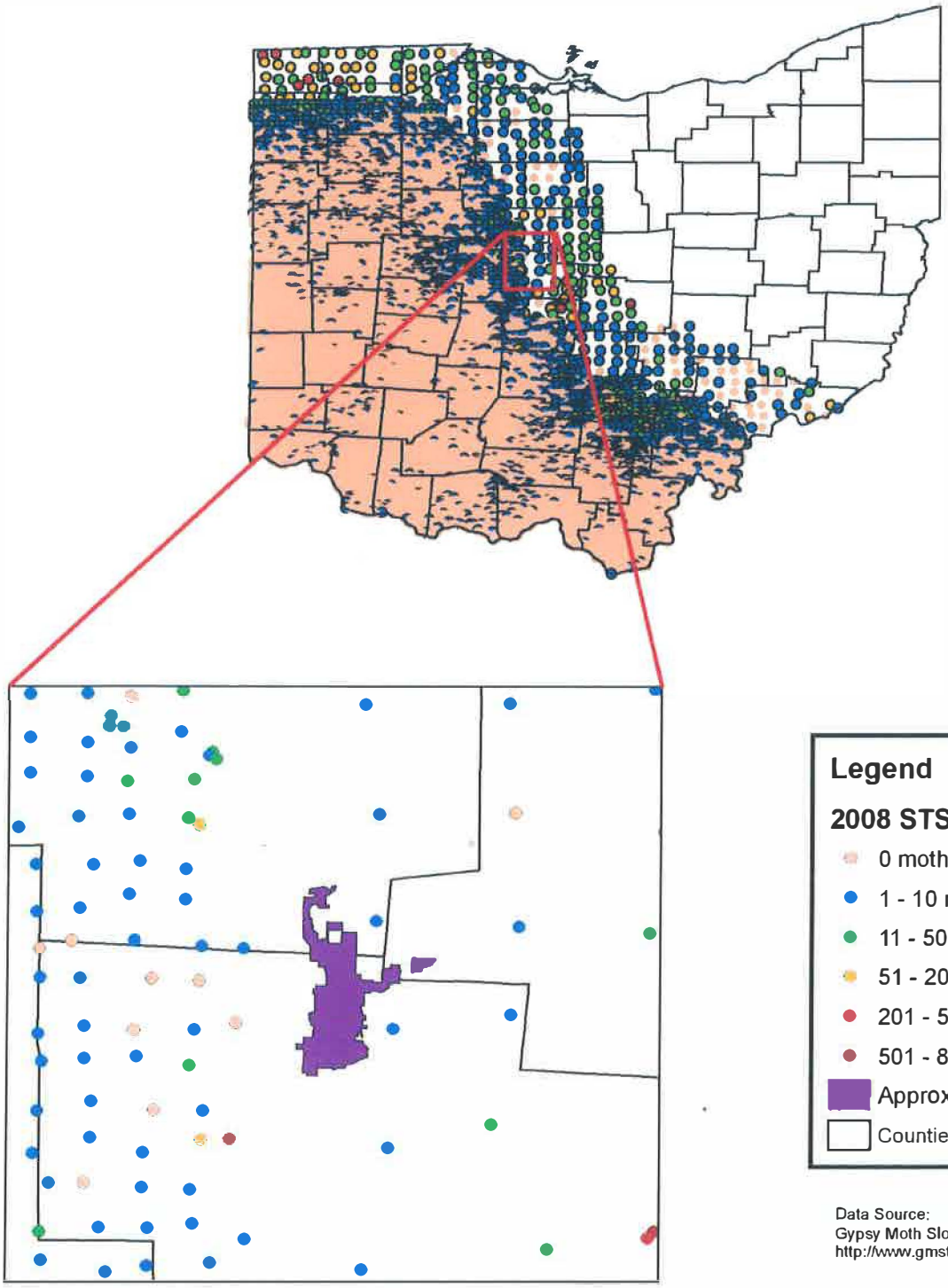
2/09 KDF

# Figure 2c.--2008 Slow-the-Spread trapping results in Ohio and in the proximity of Delaware Lake.



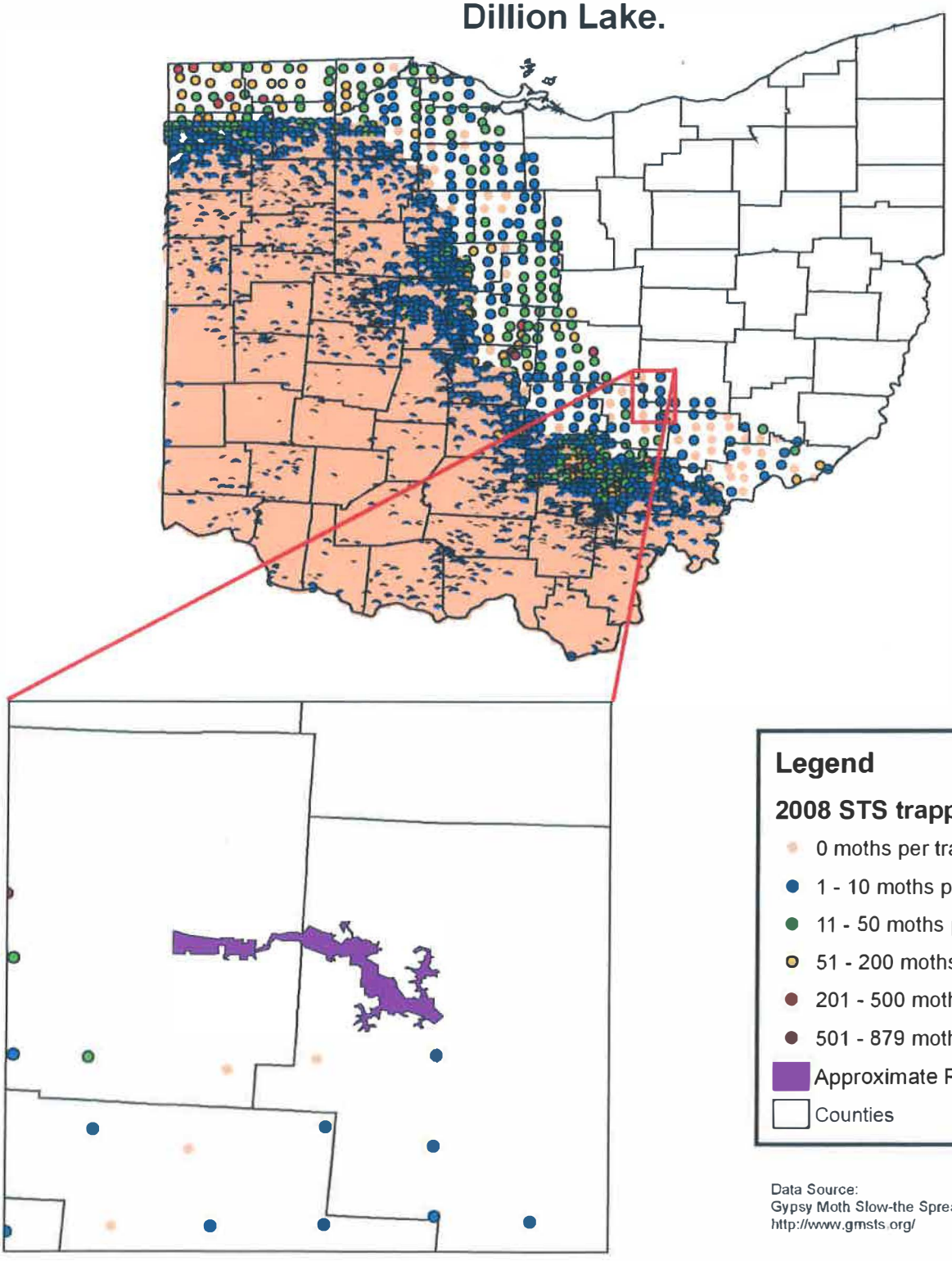
**Legend**

**2008 STS trapping results**

- 0 moths per trap
- 1 - 10 moths per trap
- 11 - 50 moths per trap
- 51 - 200 moths per trap
- 201 - 500 moths per trap
- 501 - 879 moths per trap
- Approximate Project boundary
- Counties

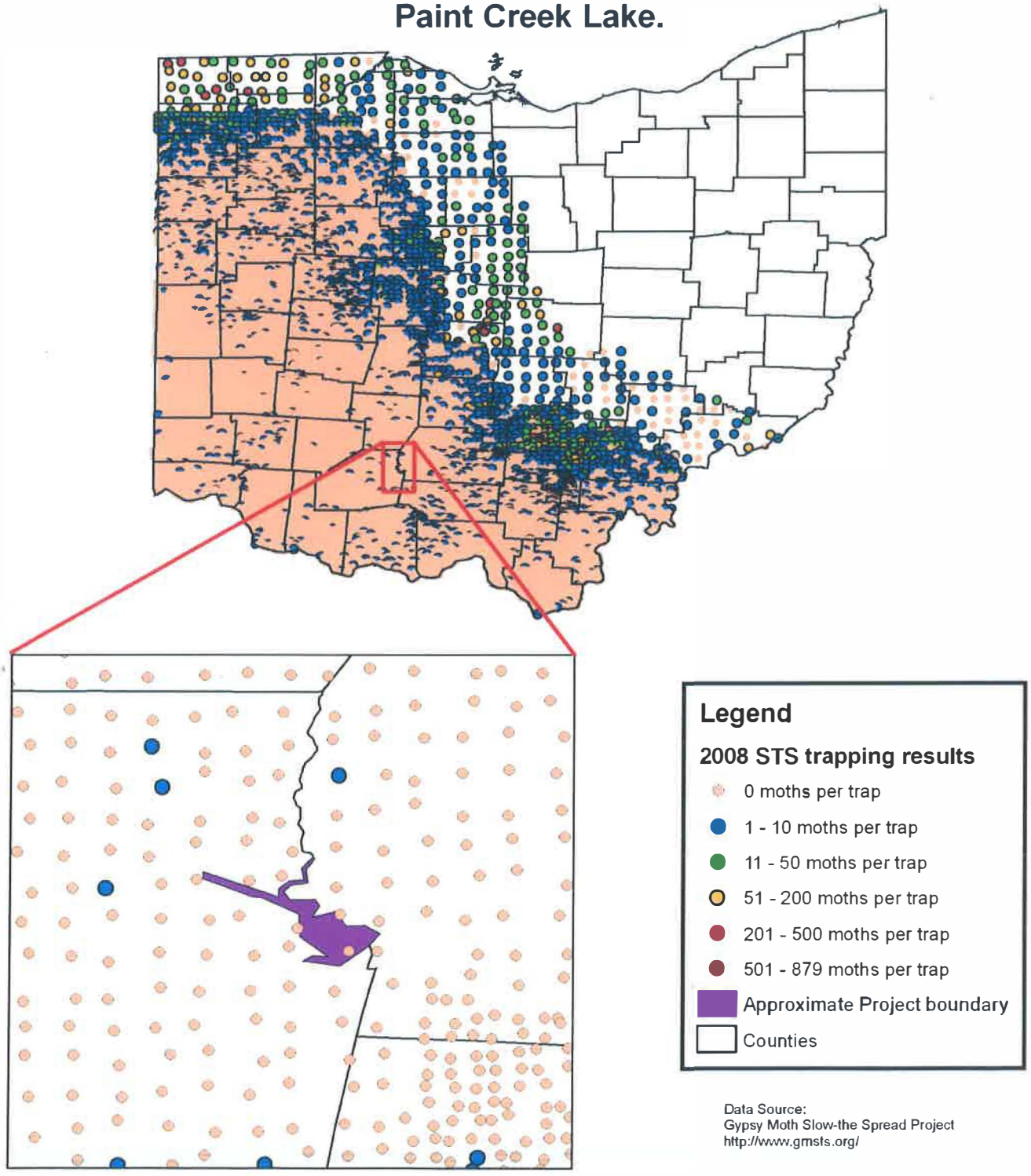
Data Source:
Gypsy Moth Slow-the Spread Project
http://www.gmsts.org/

# Figure 2d.--2008 Slow-the-Spread trapping results in Ohio and in the proximity of Dillion Lake.


Legend
2008 STS trapping results
0 moths per trap
1 - 10 moths per trap
11 - 50 moths per trap
51 - 200 moths per trap
201 - 500 moths per trap
501 - 879 moths per trap
Approximate Project boundary
Counties

Data Source:
Gypsy Moth Slow-the Spread Project
http://www.gmsts.org/

# Figure 2e.--2008 Slow-the-Spread trapping results in Ohio and in the proximity of Paint Creek Lake.

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